

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <i>M &amp; M Exploration</i>	Lease No.	Date <i>7-22-11</i>
Lease <i>Z-BAR</i>	Well # <i>19-13</i>	
Field Order # <i>3445</i>	Station <i>PRA-H KS</i>	Casing <i>4 1/2</i>
		Depth <i>5068</i>
Type Job <i>CNW 4 1/2 long slip</i>	Formation	Legal Description <i>17-34-14</i>
		County <i>BARBOR</i>
		State <i>KS</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>4 1/2</i>				Pre Pad	Max		5 Min.	
Depth <i>5067</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>78</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <i>2,000</i>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>5042</i>	Packer Depth	From	To					

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert [Signature]</i>
Service Units <i>37900 33708 20970 19831 19802</i>		
Driver Names <i>Scott, Melton, Murphy</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					<i>ON loc soft, 2 spots</i>
					<i>Run 124 str. 4 1/2 11.6</i>
					<i>cont 1,3,5,7, 11, 14, 17, 20 BARS 9</i>
<i>0530</i>					<i>CSG. ON BOTTOM</i>
<i>0545</i>					<i>Hook Up To CRAC</i>
<i>0700</i>	<i>300</i>		<i>3</i>	<i>3</i>	<i>1st spacer</i>
			<i>5</i>	<i>4</i>	<i>mix 25 slt Scoverson cont 7' 11"</i>
			<i>67</i>	<i>5</i>	<i>mix 200 slt AA-2 cont</i>
					<i>cont mixed slt down with pump line</i>
					<i>Release Plug</i>
				<i>6</i>	<i>1st Dip</i>
	<i>300</i>		<i>37</i>		<i>1st 1/2' 13,646.59</i>
	<i>600</i>		<i>90</i>	<i>4.5</i>	<i>Slow Rate</i>
<i>7:40</i>	<i>2,000</i>		<i>78</i>	<i>4</i>	<i>Plug down</i>
			<i>6</i>		<i>plug R.H.</i>
			<i>4</i>		<i>plug M.H.</i>
					<i>JOB Complete</i>
					<i>Thank you</i>